

### EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	95672	"455"/\$.ccls.	US-PGPU B; USPAT; EPO	OR	ON	2007/09/30 18:29
L2	386	L1 and (calibrat\$3 near8 oscillator)	US-PGPU B; USPAT; EPO	OR	ON	2007/09/30 18:29
L3	237	L2 and (reference near3 signal)	US-PGPU B; USPAT; EPO	OR	ON	2007/09/30 18:29
L4	49	L3 and (scal\$3 near8 signal)	US-PGPU B; USPAT; EPO	OR	ON	2007/09/30 18:29
L5	14	L4 and (adjust\$3 near8 oscillator)	USPAT	OR	ON	2007/09/30 18:29
L6	95672	"455"/\$.ccls.	US-PGPU B; USPAT; EPO	OR	ON	2007/09/30 18:30
L7	386	L6 and (calibrat\$3 near8 oscillator)	US-PGPU B; USPAT; EPO	OR	ON	2007/09/30 18:30
L8	142	L7 and (PLL or "phased lock loop")	US-PGPU B; USPAT; EPO	OR	ON	2007/09/30 18:30
L9	110	L8 and (vco or "voltage controlled oscillator")	US-PGPU B; USPAT; EPO	OR	ON	2007/09/30 18:30
L10	50	L9 and "frequency synthesizer"	US-PGPU B; USPAT; EPO	OR	ON	2007/09/30 18:30

### EAST Search History

L11	47	L10 and (wireless or cellular or mobile)	US-PGPU B; USPAT; EPO	OR	ON	2007/09/30 18:30
L12	39	L11 and temperature	US-PGPU B; USPAT; EPO	OR	ON	2007/09/30 18:30
L13	37	L12 and (reference near2 frequency)	US-PGPU B; USPAT; EPO	OR	ON	2007/09/30 18:30
L14	30	L13 and divider	US-PGPU B; USPAT; EPO	OR	ON	2007/09/30 18:30
L15	26	L14 and analog	US-PGPU B; USPAT; EPO	OR	ON	2007/09/30 18:30
L16	22	L15 and (adjust\$3 near5 frequency)	US-PGPU B; USPAT; EPO	OR	ON	2007/09/30 18:30
L17	9	L15 and (adjust\$3 near5 frequency).clm.	US-PGPU B	OR	ON	2007/09/30 18:32
L18	1	17 and "frequency divider".clm.	US-PGPU B	OR	ON	2007/09/30 18:32
L19	144	"26" and (calibrat\$3 near8 oscillator).clm.	US-PGPU B	OR	ON	2007/09/30 18:34
L20	6	16 and (calibrat\$3 near8 oscillator).clm.	US-PGPU B	OR	ON	2007/09/30 18:35
L21	0	20 and (increas\$3 near8 oscillator).clm.	US-PGPU B	OR	ON	2007/09/30 18:35
L22	0	20 and (decreas\$3 near8 oscillator).clm.	US-PGPU B	OR	ON	2007/09/30 18:35
S1	65506	"455"/\$.ccls.	US-PGPU B; USPAT; EPO	OR	ON	2005/01/15 18:14

### EAST Search History

S2	229	S1 and (calibrat\$3 near8 oscillator)	US-PGPU B; USPAT; EPO	OR	ON	2007/01/31 13:40
S3	63	S2 and (PLL or "phased lock loop")	US-PGPU B; USPAT; EPO	OR	ON	2005/01/15 18:15
S4	47	S3 and (vco or "voltage controlled oscillator")	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 00:41
S5	25	S4 and "frequency synthesizer"	US-PGPU B; USPAT; EPO	OR	ON	2005/01/15 18:16
S6	22	S5 and (wireless or cellular or mobile)	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 00:42
S7	19	S6 and temperature	US-PGPU B; USPAT; EPO	OR	ON	2005/01/15 18:17
S8	19	S7 and (reference near2 frequency)	US-PGPU B; USPAT; EPO	OR	ON	2005/01/15 18:18
S9	15	S8 and divider	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 00:40
S10	12	S9 and analog	US-PGPU B; USPAT; EPO	OR	ON	2005/01/15 18:18
S11	9	S10 and (adjust\$3 near5 frequency)	US-PGPU B; USPAT; EPO	OR	ON	2007/09/30 18:30
S12	1	S10 and (adjust\$3 near5 frequency)	USPAT	OR	ON	2005/01/15 18:19

### EAST Search History

S13	2495	(calibrat\$3 near8 voltage) same temperature	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 00:40
S14	236	S13 and (vco or "voltage controlled oscillator")	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 00:41
S15	94	S14 and (calibrat\$3 near8 oscillator)	US-PGPU B; USPAT; EPO	OR	ON	2007/09/30 18:33
S16	94	S15 and frequency	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 00:41
S17	47	S15 and frequency	USPAT	OR	ON	2006/10/30 00:42
S18	16	S17 and (wireless or cellular or mobile)	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 11:46
S19	1	("6137372").PN.	US-PGPU B; USPAT; EPO	OR	OFF	2006/10/30 00:54
S20	0	S17 and "proportional to absolute temperature voltage"	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 00:55
S21	0	S13 and "proportional to absolute temperature voltage"	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 00:55
S22	0	"proportional to absolute temperature voltage"	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 00:56
S23	0	S16 and ("lower calibration" and "higher calibration")	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 00:57

## EAST Search History

S24	0	S13 and ("lower calibration" and "higher calibration")	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 00:57
S25	6	S13 and ((lower near3 calibration) and (higher near3 calibration))	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 00:57
S26	13	S18 and (reference near3 frequency)	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 01:16
S27	2	S26 and (scal\$3 near8 (reference near3 frequency))	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 01:16
S28	2495	(calibrat\$3 near8 voltage) same temperature	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 12:37
S29	236	S28 and (vco or "voltage controlled oscillator")	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 12:38
S30	94	S29 and (calibrat\$3 near8 oscillator)	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 11:46
S31	47	S30 and frequency	USPAT	OR	ON	2006/10/30 11:46
S32	16	S31 and (wireless or cellular or mobile)	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 11:46
S33	2	S32 and "in phase"	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 11:47
S34	884	(calibrat\$3 near5 voltage) near5 temperature	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 12:37

### EAST Search History

S35	70	S34 and "calibration voltage"	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 12:38
S36	10	S35 and (vco or "voltage controlled oscillator")	US-PGPU B; USPAT; EPO	OR	ON	2006/10/30 12:38
S37	6	S35 and (vco or "voltage controlled oscillator")	USPAT	OR	ON	2006/10/30 12:38
S38	87835	"455"/\$.ccls.	US-PGPU B; USPAT; EPO	OR	ON	2007/01/31 13:40
S39	335	S38 and (calibrat\$3 near8 oscillator)	US-PGPU B; USPAT; EPO	OR	ON	2007/01/31 13:41
S40	205	S39 and (reference near3 signal)	US-PGPU B; USPAT; EPO	OR	ON	2007/01/31 13:41
S41	36	S40 and (scal\$3 near8 signal)	US-PGPU B; USPAT; EPO	OR	ON	2007/01/31 13:42
S42	21	S41 and (adjust\$3 near8 oscillator)	US-PGPU B; USPAT; EPO	OR	ON	2007/01/31 13:43
S43	11	S41 and (adjust\$3 near8 oscillator)	USPAT	OR	ON	2007/09/30 18:29